



# MEMORANDUM

## Missouri Department of Transportation Project Development Southwest District

**TO:** Eric Schroeter, de  
Attn: Jason Vanderfeltz, de

**FROM:** Linda Bokel  
Project Manager

**DATE:** December 5, 2013

**SUBJECT:** Business Route 65(Glenstone), Greene County  
Job No. J8P3013  
Battlefield Road to James River Freeway  
Proprietary Item Certification/Public Interest Finding

*Except as noted herein:*

**I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), this patented or proprietary item is essential for synchronization with existing highway facilities.**

**State Design Engineer**

With reference to the above-mentioned project, we are requesting approval to use the following proprietary items.

- ITS Camera: Axis Q6032-E
- Uninterruptable power supply: Alpha FXM 1100 system. The system is comprised of the following items:
  - 1 each Alpha outdoor enclosure S6, w/Generator option ATS/MBS & Auto GTS, battery cable kit (ALPHA-026-53-26)
  - 1 each Novus FXM 1100 Battery backup unit without Ethernet (ALPHA-017-230-21)
  - 1 each 48V Alpha guard battery monitor (ALPHA-012-306-21)
  - 4 each Alpha Gel battery 195GXL (ALPHA-181-230-10)
- ~~Media converter -- Products include but not limited to LHC028A-R2 and LHC029A-R2 as manufactured by Black Box Network Services.~~

*Not allowed. Should be bid with a generic specification or by identifying atleast 3 alternatives and the phrase "or equal as approved by the engineer."*

These items are necessary for traffic monitoring purposes. The Southwest District and the City of Springfield operate a joint traffic management/monitoring system. We are requesting approval to specify these items in this contract so that the items are compatible and synchronized with the network software and ITS systems already in use. Other brands would not be compatible with the system.

This project is scheduled for a January 2014 letting.



**Proprietary Item Certification - J8P3013**

**Joseph L Dotson** to: Llans E Taylor

Cc: Linda W Bokel, Joseph C Rickman, Brandon D Campbell

12/18/2013 08:25 AM

History:

This message has been forwarded.

With regard to the requested Proprietary Item Certification for project J8P3013, please consider the following statements as justification for the use of these selected items in order to keep project costs and future maintenance costs as low as possible.

The Axis Q6032-E camera is the camera type which has been already proven, everyone is satisfied with the quality of video, and we have spare parts in stock for service. The camera control system at the SW District TMC already has software components installed that are compatible with this camera. Any other camera selection would require additional work by City of Springfield and MoDOT staff at the TMC, additional training for Signal Shop and TMC staff and additional inventory to be kept on hand for support. For these reasons the Axis Q6032-E camera is the only product acceptable to the SW District for use on this project.

The SW District has over 25 Alpha FXM 1100 Battery Backup systems already installed in the Springfield area. We have spare parts on hand and District personnel have been trained in installation and maintenance of this product. We possess software for setup and programming. We know that they can be programmed to meet the Districts' predetermined performance criteria for a signal running on battery backup power. Selection of any other battery backup system on this project would result in the need for additional training of personnel, additional programming software and additional inventory to be kept on hand. For these reasons the Alpha FXM 1100 Battery Backup system is the only product acceptable to the SW District for use on this project.

The media convertors were not requested proprietary at all. We are already allowing any proposed equal. We know the Black Box part numbers given will work. Whatever equivalent or comparable equipment might be chosen, the convertors need to function over one singlemode fiber as that is how we have designed the fiber optic circuit to support the camera.

Thanks,

Joe Dotson  
MoDOT SW Traffic Supervisor  
(417) 829-8029 desk  
(417) 766-3824 cell